

INVITATION TO BID

November 19, 2013

The Little Traverse Bay Bands of Odawa Indians, a federally Recognized Indian Tribe, invites your business to submit a Bid to design, fabricate, and furnish equipment as specified

Included with this letter are:

- 1.) Provisions governing this ITB.
- 2.) Technical project drawings
- 3.) Contact for Technical Questions only:
Biologist: Doug Larson
DLarson@LTBBODAWA-NSN.GOV

Thank you for your interest.

Sincerely,

Mandy Szocinski
Accounting

I. BIDS DUE

- A. All bids must be received by Mandy Szocinski in the Accounting Department by **December 6, 2013** no later than 2:00pm prevailing local time.
- B. Bids will be accepted in the following four methods:
 - 1. In person: Accounting Department, 7500 Odawa Circle, Harbor Springs, MI 49740
 - 2. By Fax: 231-242-1449
 - 3. By E-Mail: mszocinski@ltbbodawa-nsn.gov
 - 4. U.S. Mail to: Little Traverse Bay Bands of Odawa Indians
Attn: Mandy Szocinski
7500 Odawa Circle
Harbor Springs, MI 49740
- C. Any questions regarding the bid process may be directed to Mandy Szocinski, at 231-242-1439.
- D. All bids will be reviewed at 7500 Odawa Circle, Harbor Springs, Michigan on **December 9, 2013**.

II. REQUIREMENTS

- A. **Bidders are required to review project drawings and specifications prior to bidding Appendix A and B.**
- B. **Drawings are attached in this bid request "Appendix B".**
- C. **Design intent and equipment specifications listed in "Appendix A" of this bid.**
- D. Design, fabricate, and furnish equipment as specified to site location at LTBB Drier Road Fish Hatchery Project located at 4100 Giigoohns Miikaan Ave, Levering, MI 49755.
- E. **Technical Questions and / or Site Visit** Please direct technical or design questions to 3Hatchery Specialist Doug Larson at 231-373-0576 or DLarson@LTBBODAWA-NSN.GOV. Should a bid require a site visit (at bidder's expense), please arrange through Doug Larson
- F. Provide a shop drawing for each piece of equipment for approval of biologist and Owner prior to fabrication.
- G. Deliver to the site, LTBB Drier Road Fish Hatchery Project located at 4100 Giigoohns Miikaan Ave, Levering, MI 49755 for unloading and installation by building contractor (separate contract). **Project schedule: Delivery to "owner" by March 31, 2014.** Owner will inspect tanks for damage upon delivery.
- H. Damage during shipping should be repaired within 30 days at fabricator's expense.
- I. Arrange deliver to Hatchery address 4100 Giigoohns Miikaan Ave, Levering, MI 49755 with required plumbing for installation by LTBB.
- J. Equipment supplier is responsible for coordination with other equipment suppliers, LTBB and installation contractor.
- K. Expected Lead times: 4 in 6 weeks, 4 in 10 weeks
- L. Provide an operation and maintenance manual in a three-ring binder for the Owner. Include the final approved shop drawing for each piece of equipment.
- M. Provide manufacturer's standard warranty on all equipment, minimum 2 years.

III. QUALIFICATIONS OF CONTRACTOR,

- A. Must not appear as listed as parties that are excluded from receiving Federal contracts, certain subcontracts, and certain Federal financial and nonfinancial assistance and benefits, pursuant to the provisions of 31 U.S.C. 6101, note, E.O. 12549, E.O. 12689, 48 CFR 9.404, and each agency's codification of the Common Rule for Nonprocurement suspension and debarment.
- B. Please acknowledge, on your bid, that you have reviewed the specifications and drawings when preparing your bid. Failure to do so may disqualify bidder.

IV. PREFERENCES FOR CONTRACTOR

- A. Native American Preference for Hiring shall apply.
 - 1. Citizens of the Little Traverse Bay Bands of Odawa Indians,
 - 2. Other North American Indians, who meet the "Degree of North American Indian Blood" meaning the total degree of North American Indian blood of all tribes recognized by the United States Federal Government or by the Canadian Federal Government plus the degree of North American Indian blood derived from non-federally recognized tribes that is able to be certified by the Bureau of Indian Affairs

V. INSURANCE REQUIREMENTS

The Contractor must meet and agree to maintain during the term of the Contract, the following insurance coverage, as required by law. All coverage shall be with insurance companies licensed and admitted to do business in the State of Michigan.

- A. The Contractor shall carry Worker's Compensation and Employer's Liability Insurance Coverage.
- B. The Contractor shall be responsible for insuring all its vehicles, equipment, tools and all materials which it may use at the work site during contract period. LTBB shall not be responsible for any loss or damage to the Contractor's vehicles, equipment, tools and materials.
- C. The Contractor shall procure and maintain during the term of the contract Commercial General Liability Insurance on an "occurrence basis" with limits of liability of not less than \$1,000,000 per occurrence combined single limit, for Personal injury, Bodily injury and Property Damage. Coverage shall include the following extensions: 1.) Contractual Liability; 2.) Products and Completed Operations Coverage; 3.) Independent Contractors Coverage; and 4.) Broad Form General Liability Extensions or equivalent.
- D. The Contractor shall maintain Vehicle Liability Coverage and Michigan No-Fault coverage including all owned, non-owned, and hired vehicles, of not less than \$1,000,000 per occurrence combined single limit.
- E. If any of the above coverage expires during the term of the contract, the Contractor's insurer shall deliver renewal certification and/or policies to: Little Traverse Bay Bands of Odawa Indians, Accounting Contracts Personnel, and 7500 Odawa Circle, Harbor Springs, Michigan 49740.

VI. CONTRACT AWARD

The LTBB Contracts Personnel, the LTBB Biologist and the LTBB Natural Resources Director will evaluate the bids and make a decision to award the contract to one or more of the lower, most responsive, responsible bidder(s) having proven experience in X as described above. Native American Preference shall apply.

The award may be split, at the LTBB's discretion, between two (2) or more contractors to better service specific locations.

LTBB may make a determination that the rejection of all bids is in the best interest of LTBB. LTBB will not pay for any information herein requested, nor is it liable for any costs incurred by the bidder.

BID PACKAGE

Contractors must submit a response in the form of a bid that includes the following sections:

- A. TRANSMITTAL LETTER – This letter is to be a brief letter, addressed to Mandy Szocinski, Accounting, which provides the following information:
 - 1. Name and address of the contractor.
 - 2. Name, Title, and telephone number of the contact person for the contractor.
 - 3. A statement that the bid is in response to this invitation.
 - 4. The signature, typed name and title of the individual who is authorized to commit the contractor to the bid.
- B. BID
 - 1. Introduction
 - a. Company Profile including the date organized to provide services.
 - b. List of References.
 - c. Bidder Acknowledgement: Indicate that you have reviewed the specifications and drawings when preparing your bid
 - 2. The price of each piece of equipment and the total fixed all inclusive cost of the equipment for the Contract term as noted in Section II of this invitation.
 - 3. Provide a shop drawing for each piece of equipment for approval of biologist and Owner
 - 4. A copy of the Certificates of Insurance for the Contract term as noted in Section V of this invitation.

Appendix A

Design Intent:

The main area of the hatchery building which will be utilized for primary fish production consists of an open area which is serviced with an overhead cold and heated water piping trapeze and in-floor trench drains capable of easily providing a variety of setups for cool and coldwater fish species rearing. Pumped well water is fed into the insulated, overhead piping trapeze from the Coldwater Head tank and Coldwater Degassing Columns (CWHT-1, CWVD-1) or Heated Water Head tank and Heated Water Vacuum Degassing Column (HWHT-1, HWVD-1) which is located on the mezzanine. Equipment will be installed after the building, water, and electrical infrastructure is in place. Placement of equipment in proper location per diagrams and confirmation via qualified hatchery personal is critical. This bid will be to provide the owner with eight circular aquaculture tanks capable of hookup to a future recirculating aquaculture system, OR hookup to the existing overhead flow through system. See specific specifications required below.

Description of Future Recirculating Aquaculture System (RAS)

Once large enough, fingerlings are placed into the Recirculating Aquaculture System (RAS) 8' dual drain fiberglass tanks for final grow-out. This system is set up to operate in several modes:

- Full Recirculation Mode with less than 5% makeup water daily
- Partial Recirculation Mode with 5-10% makeup water daily (Recommended)
- Full Flow-Through Mode with no recirculation
- The RAS system is made up of different components all acting together to effectively reduce the toxic buildup of metabolites such as ammonia, nitrite, TAN, and related items from a high concentration of fish while reconditioning the water for reuse by the fish.

The main components of the example system include:

- TNK-A1-A4, B1-B4. Cornell style dual drain fiberglass rearing tanks
- MSDF-1. Drum Filter for removal of sediments in the water
- SUMP-1. Fiberglass sump serving as a collection point for pumping and distributing recirculated system water
- BIOF-1. Fiberglass biofilter removing toxic metabolites
- GMT-1A-1B. Fiberglass Degassing/Aeration/LHO Chamber for degassing and aerating RAS system water after the bio filtration system.
- UVS-1. UV Sterilizer for sterilization of system water.
- PMP-1A-1B. Recirculation pumps for moving system water throughout the RAS system
- HTX-A-B. Chiller/Heat Exchanger unit to cool water during summer months (designed by manufacturer)
- LOXT. Oxygen Injection for LHO and Emergency Backup. (optional)

The entire Coldwater Rearing Area is serviced with an overhead water trapeze supplying fresh, cold (48 degree), degassed, aerated water from the main head tank (CWHT-1). Supply line for the recirculated water which is pumped from the RAS sump to the 8' fiberglass tanks will run in the trench drains. Drainage is accomplished utilizing trench drain systems with fiberglass grating and standard PVC piping. This system will lend itself to a variety of configurations for running recirculation or flow through water to the tanks.

Specification of Tanks Required for this Bid Contract

Equipment supplier will design, fabricate and furnish eight round fiberglass tanks, 8' diameter, with the following specifications:

- 2 configurations
 - Only difference between configurations is location of inlet side-box, to accommodate tank installation location.
 - In configuration A, inlet side box should be 45° from external stand pipe well. This configuration is for 4 tanks.
 - In configuration B, inlet side box should be -45° from external stand pipe well. This configuration is for 4 tanks.
- 8' diameter, round aquaculture tank.
- Height 48"
- External standpipe well (fiberglass)
 - 2 drain outlet (flow-through, recirculation) 2" standpipes
- 2" PVC bottom drain connected to bottom drain inlet in external standpipe well. Provide stainless steel bottom drain screen, 2 sizes.
- Inlet side-box with 3" perforated PVC for recirculation inflow.
- Fiberglass outlet side box with stainless steel perforated side box drain screen, removable, 2 sizes
 - 6" standpipe

- 1.5" sidewall insulation (encapsulate in fiberglass)
 - Provide cost option to eliminate insulation in case bid is cost prohibitive
- 2" flange on top of tank for access
- Color
 - Interior Dark Green Gelcoat
 - Exterior White Gelcoat

PLEASE NOTE: This bid is **ONLY** for 8, 8' dual drain fiberglass tanks that are capable of retrofitting to full RAS system, to be bid on a later date (funding dependent).

Specification of Tanks Required for this Bid Contract

Product ID: TNK-1A-2D

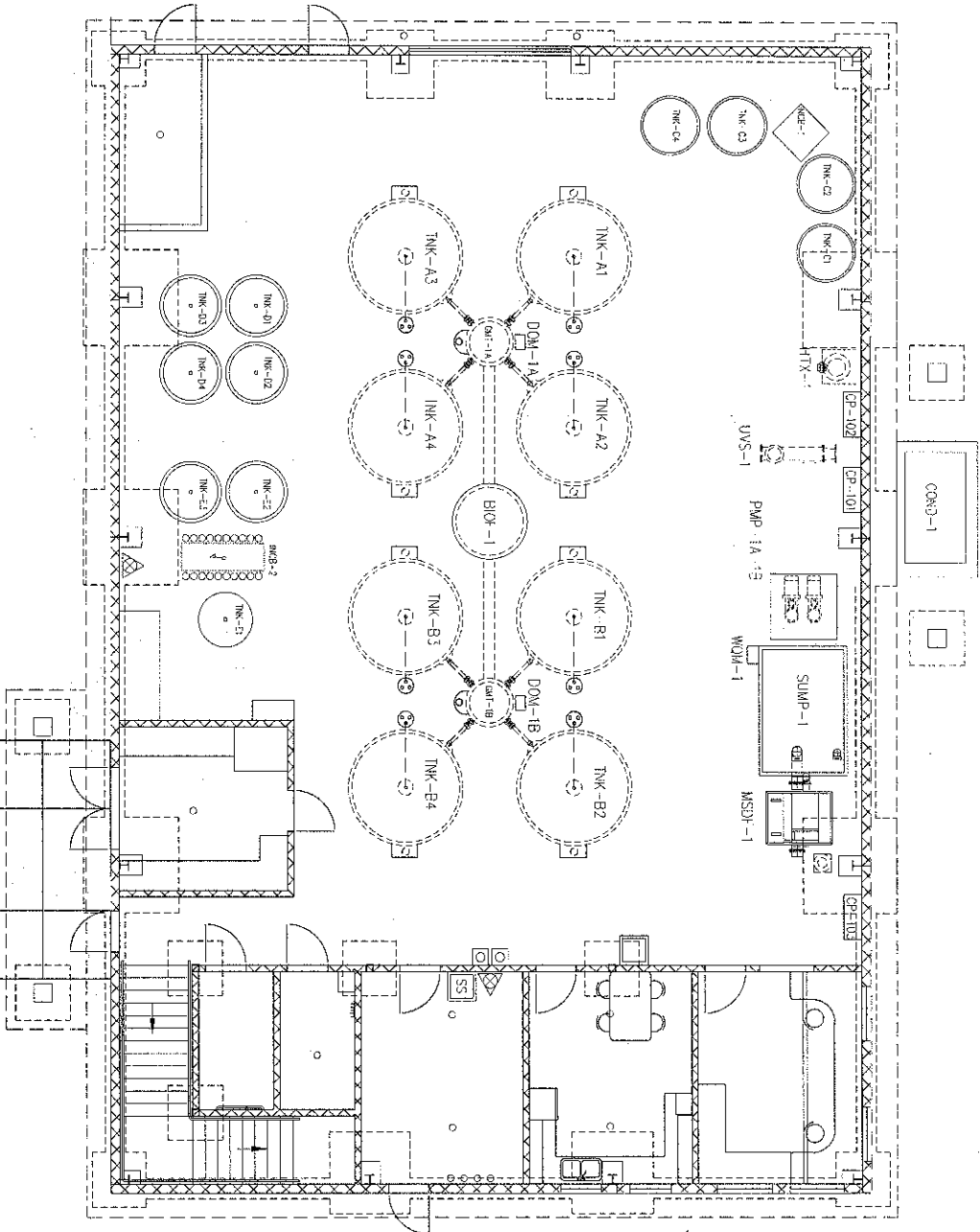
Quantity: 8

Product Description: Culture Tank, dual drain, 8' diam.

Bidders are required to review

General Information:

Material	Fiber Reinforced Plastic (FRP)
Internal diameter:	96"
Max OD:	102"
Wall height	48"
Wall slope	90-95 deg from floor
Minimum Volume	1,500 gal each.
Insulation	Tank requires 1.5" of insulation on sides. Insulation to be encapsulated in FRP.
Finish	Fiberglass gel coat <ul style="list-style-type: none"> -Internal-dark green -External -white
Floor pitch	Tank floor is not sloped. Tank rests on floor over floor trench. (Floor trench is 36" wide with fiberglass grate)
Side box dims	18" width 24" depth 14" long
Side box Drain port	6" Socket X Socket PVC Coupling with internal removable standpipe.
Side box screen	-Removable stainless steel screen or solid weir inserts. -Provide two screen sizes and (3) 6" tall overlapping weir inserts, coordinate with owner.
Center drain	-12" diameter screened cone drain -Removable stainless steel screen -Provide two screen sizes, coordinate with owner. -2" vertical PVC Socket fitting at base of cone. Inlet box -4" socket coupling, coordinate with GMT. -Adjustable inlet nozzles, suitable for 50 GPM at 4' static head pressure. -Suitable to achieve 1 ft/sec rotational velocity in tank. -Removable nozzle plate for service and cleaning.
External Standpipe	Provide (1) external standpipe assemble with each tank. Material FRP
Insulation	1.5" insulation on sides
Finish	Provide cost saving option to eliminate insulation with bid Fiberglass Gel coat <ul style="list-style-type: none"> -Internal- Dark Green -External-White
Bottom slope	Skirted (6") with 45Degslope to center drain
External Standpipe Dims	48" tall 18" internal diameter Overall diameter – 22"
Standpipe fittings	(3) PVC Socket bottom fittings, that accept internal standpipes 2" (Inlet from tank) 2" (Drain to waste, on center) 3" (Recirculation)



AQUACULTURE EQUIPMENT PLAN



AQ-102

AQUACULTURE EQUIPMENT PLAN

DRIER ROAD FISH HATCHERY
EMMET COUNTY, MICHIGAN

PREPARED FOR: LITTLE TRAVERSE BAY BANDS OF ODAWA INDIANS

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INDG is a registered professional engineering firm in the State of Michigan. The firm is a member of the American Society of Professional Engineers (ASPE) and the Michigan Society of Professional Engineers (MSPE). The firm is also a member of the National Association of Professional Engineers (NAPE) and the National Association of Professional Engineers and Scientists (NAPE&S).